Annex to the Decision No. 026/5857/2015/2 and to the Certificate of Accreditation No. S-012 dated 27.11.2015

The Annex is an integral part of the Certificate of Accreditation

Accreditation Scope Specification

The name of the accredited body: **U. S. Steel Košice – Labortest, Ltd**
Departmet Mechanical Testing Laboratory
Vstupný areal U. S. Steel, 044 54 Košice

Laboratory with fixed scope of accreditation

Item	Subject of test		Applied method		The other specification
	Subject	**Property/ Parameter**	**Kind/ Type**	**Indication**	
1.	**Metallic materials**	Yield strength Tensile strength Elongation Extension Contraction	**Tensile test**	STN EN ISO 6892-1 STN EN ISO 6892-2 STN EN ISO 4136 STN EN ISO 5178 API Spec. 5L ASTM A 370 ASTM E8/E8M ASTM E 21 JIS Z 2241 (PP1/ZT26/01)	Method of test at room temperature Method of test at elevated temperature Welded joints
2.		Plastic strain ratio		STN EN ISO 10113 ASTM E 517 JIS Z 2254 (PP1/ZT26/02)	
3.		Tensile strain hardening exponent		STN EN ISO 10275 ASTM E 646 JIS Z 2253 (PP1/ZT26/03)	
4.		Bake-Hardening-Index		STN EN 10325 (PP1/ZT26/04)	
5.		Angle of bend	**Bend test**	STN EN ISO 7438 STN EN ISO 5173 API Spec. 5L ASTM A 370 ASTM E 290 JIS Z 2248 (PP1/ZT26/05)	Qualitative evaluation Welded joints
6.		Zinc coating adhesion		STN EN ISO 7438 TN USSK 00 2029 (PP1/ZT26/06)	Qualitative evaluation
7.		Absorbed energy Proportion of ductile fracture	**Impact test**	STN EN ISO 148-1 STN EN ISO 9016 API Spec. 5L ASTM A 370 ASTM E 23 (PP1/ZT26/07)	Charpy impact test Welded joints
8.		Proportion of ductile fracture – DWTT		STN EN 10274 ASTM E 436 API RP 5L3 (PP1/ZT26/08)	Drop weight tear test DWTT

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Item	Subject of test		Applied method		The other specification
	Subject	**Property/ Parameter**	**Kind/ Type**	**Indication**	
9.	**Metallic materials**	Rockwell hardness	**Hardness test**	STN EN ISO 6508-1 ASTM E 18 JIS Z 2245 (PP1/ZT26/09)	HRC, HRB, HRF, HR30T, HR15T
10.		Brinell hardness		STN EN ISO 6506-1 ASTM E 10 JIS Z 2243 (PP1/ZT26/10)	HBW 2,5/187,5 HBW 10/3000
11.		Vickers hardness		STN EN ISO 6507-1 STN EN ISO 9015-1 ASTM E 384 JIS Z 2244 (PP1/ZT26/11)	HV5, HV10, HV30 Welded joints
12.		Depth of the indentation	**Cupping test**	STN EN ISO 20482 ASTM E 643 JIS Z 2247 (PP1/ZT26/12)	Erichsen cupping test

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